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# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

### Division of Water Rights

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## MEMO TO FILE

**File:**       Huntington Creek Distribution System  
**From:**     Marc Stilson, P.E., Southeastern Regional Engineer  
**Date:**     June 20, 2013  
**Subject:**   Field Review on Huntington Creek

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A field review was conducted on Huntington Creek today. Measurements were taken on Buffalo Hollow Wash. This point is less than 2 miles from the Jeffs Ditch Diversion and is where Brett is dumping water into the stream to make water for the Jeffs Ditch Diversion. We measured approximately 3 cfs being added to the stream. Additional water is being added from the Cedar Creek drainage but we did not have time to measure it today. We measured a total of 6.31 cfs in the stream just below where Buffalo Hollow Wash joins Huntington Creek. Brett is keeping track of the volume of water being delivered as per the discussions last week (40 acre-feet). It is estimated that approximately 20 acre-feet has been delivered this week.

The Jeffs Ditch diversion flume read 0.50 feet which equals 5.36 cfs on a 4 foot Parshall Flume. We measured the flow in the flume with a current meter at 6.27 cfs. The bottom of the flume is bowed. Depth of water in the middle of the flume was measured at 0.67 feet using a hand held staff gage. We checked with Jay Humphrey and he confirmed that the automated gage is calibrated to the attached staff gage which reads 0.50 feet. We alerted him to the error in the reading and requested that his office verify the discrepancy and correct the calibration. We will try and find time to take additional readings next week and correct the flow data for the year.

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